

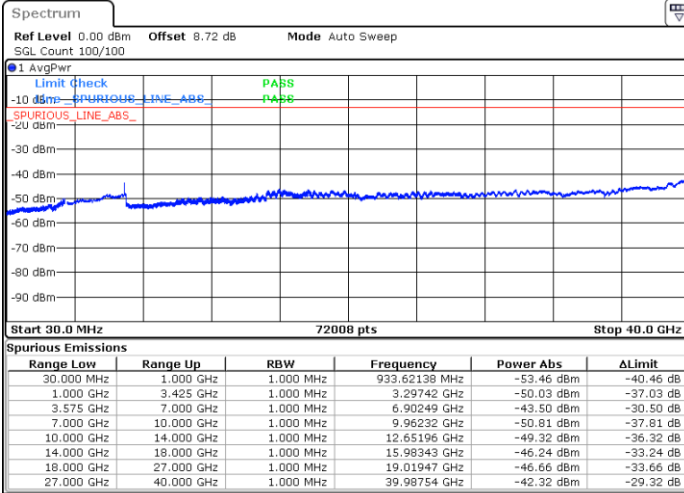


LTE Band 42/ 10MHz

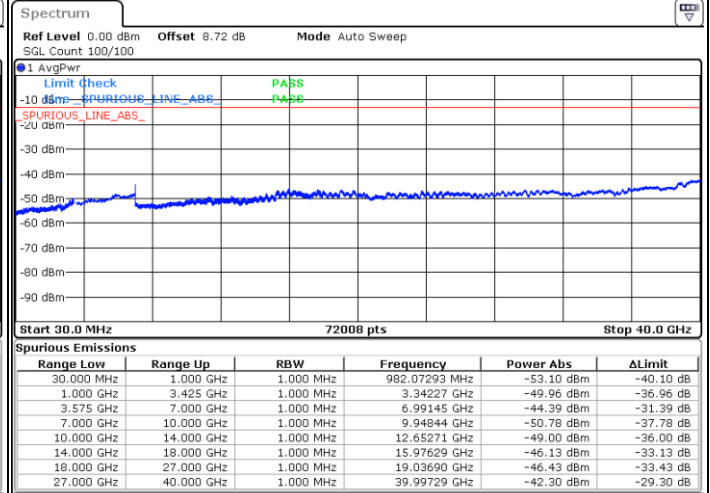
QPSK / 1RB0

Lowest Channel

Middle Channel

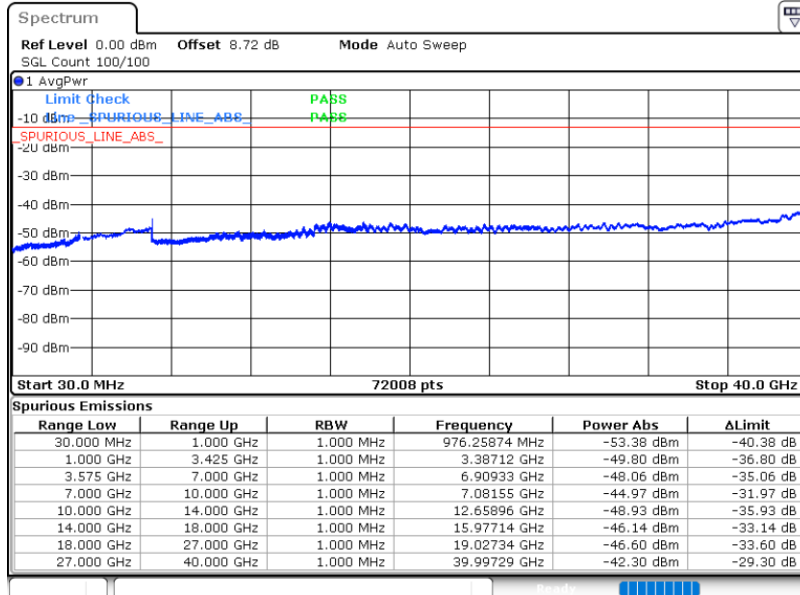


Date: 19.NOV.2024 18:43:02



Date: 19.NOV.2024 18:44:23

Highest Channel



Date: 19.NOV.2024 18:45:43

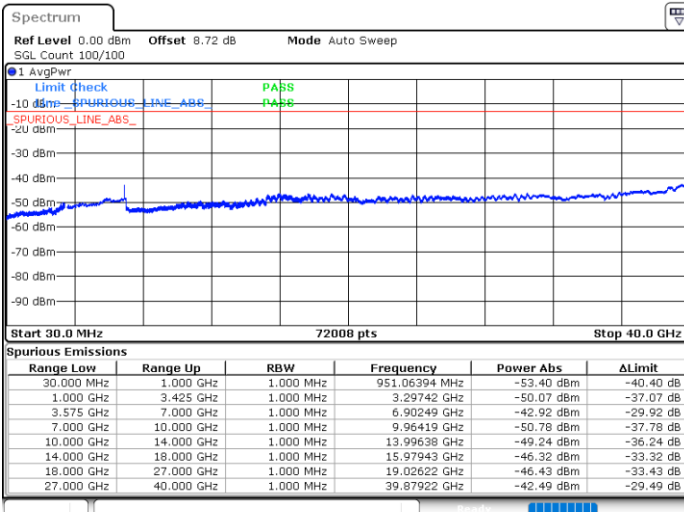


LTE Band 42/ 15MHz

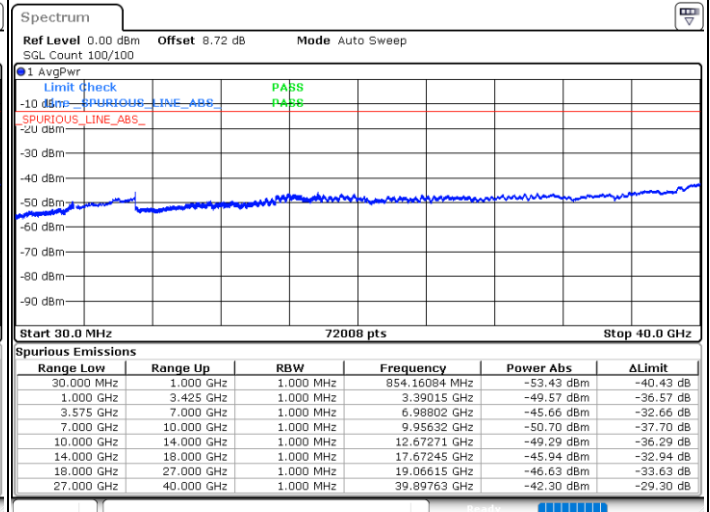
QPSK / 1RB0

Lowest Channel

Middle Channel

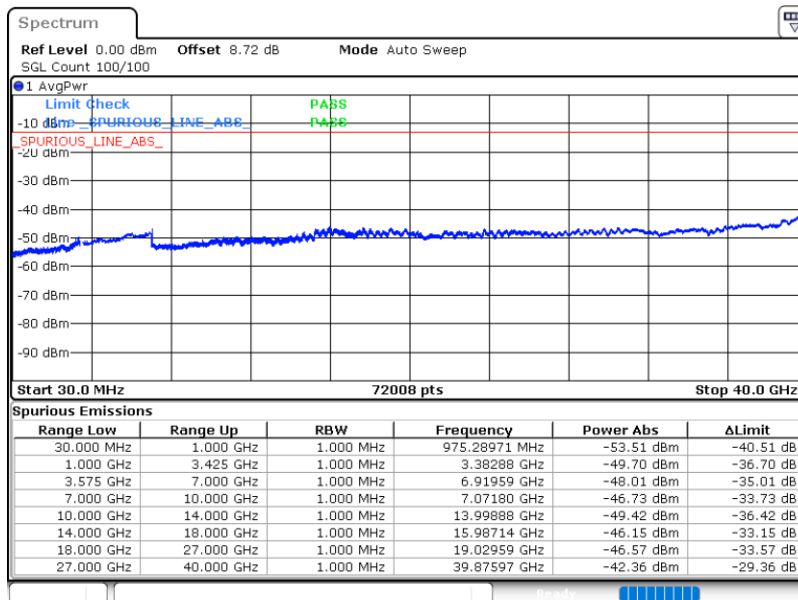


Date: 19.NOV.2024 18:47:05



Date: 19.NOV.2024 18:48:26

Highest Channel



Date: 19.NOV.2024 18:49:46

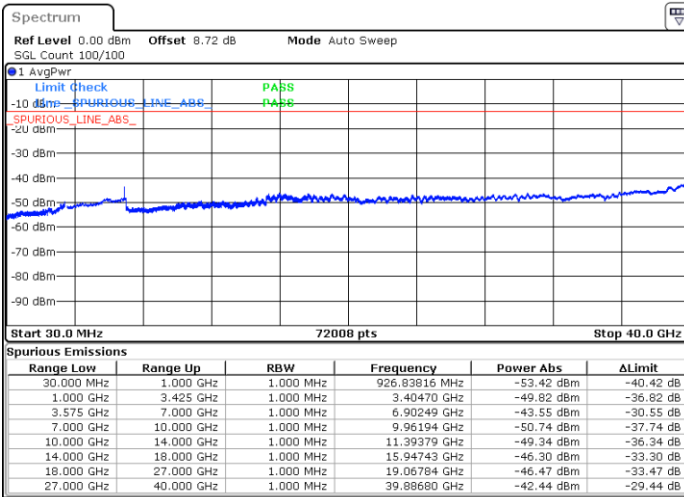


LTE Band 42/ 20MHz

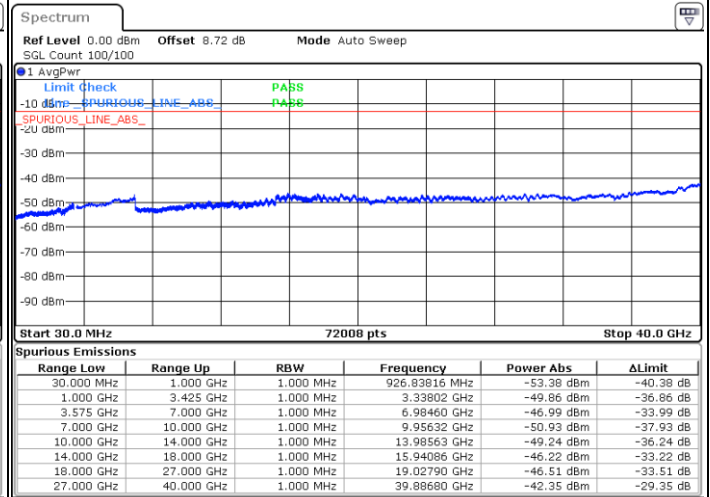
QPSK / 1RB0

Lowest Channel

Middle Channel

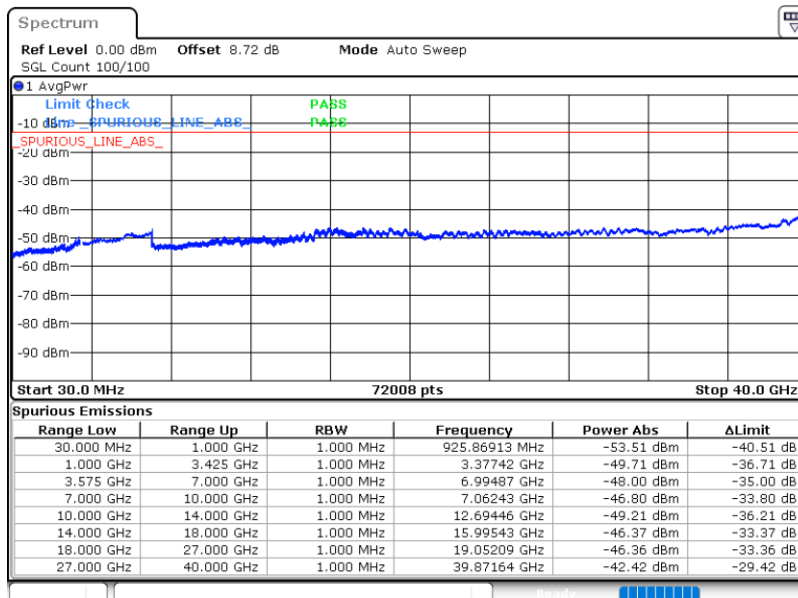


Date: 19.NOV.2024 18:51:08



Date: 19.NOV.2024 18:52:28

Highest Channel



Date: 19.NOV.2024 18:53:49

Frequency Stability

Test Conditions		LTE Band 42 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0041	
30	Normal Voltage	0.0055	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0069	
0	Normal Voltage	0.0053	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0037	
20	Battery End Point	0.0018	

Note:

1. Normal Voltage =3.69 ; Battery End Point (BEP) =3.3 ; Maximum Voltage =4.1
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Bruce	Temperature :	23~25°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antennas, we choose the worst antenna mode to perform final test and record in the report.

LTE Band 42 / 20MHz / QPSK / Ant. 10								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6984	-62.68	-13	-49.68	-72.89	3.03	13.24	H
	10476	-61.16	-13	-48.16	-70.61	3.56	13.01	H
	13968	-59.78	-13	-46.78	-69.30	3.92	13.44	H
	6984	-61.17	-13	-48.17	-71.38	3.03	13.24	V
	10476	-58.50	-13	-45.50	-67.95	3.56	13.01	V
	13968	-59.60	-13	-46.60	-69.12	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 42 / 20MHz / QPSK / Ant. 4 - other PA								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6984	-62.81	-13	-49.81	-73.02	3.03	13.24	H
	10476	-61.31	-13	-48.31	-70.76	3.56	13.01	H
	13968	-59.76	-13	-46.76	-69.28	3.92	13.44	H
	6984	-62.56	-13	-49.56	-72.77	3.03	13.24	V
	10476	-60.77	-13	-47.77	-70.22	3.56	13.01	V
	13968	-59.10	-13	-46.10	-68.62	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.